



# Rig State Traces (EDR 19.4 and higher)



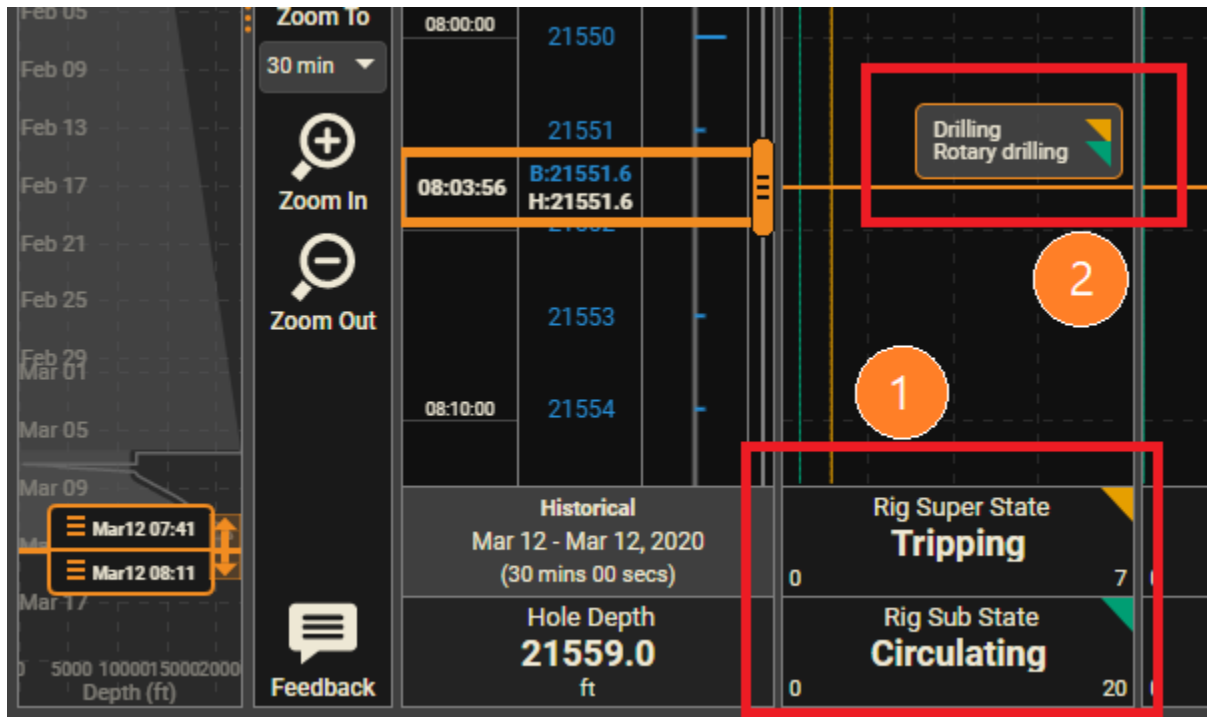
The EDR includes two traces you can use to determine the rig's state at a specific time or depth: **Rig Super State** and **Rig Sub State**. The super state describes activity at a high level, while the sub state provides more detail.

These traces are available on the EDR, DataHub, and Pason Live in full 1-second frequency.

The rig state traces display the following numbers that correspond to specific activities.

			Super State					
			0	1	4	5	6	7
			Unknown	Drilling	Transition	Out of Hole	Pre-spud	Tripping
Sub State	0	Unknown	•	•	•	•	•	•
	1	Rotary drilling		•				
	2	Sliding		•				
	3	Connection		•	•			•
	4	Static		•	•			•
	5	Circulating		•	•			•
	6	Washing		•	•			•
	7	Reaming		•	•			•
	10	Pulling out of hole (POOH)						•
	11	Running in hole (RIH)						•

If you're using Pason Live, the real-time **1** and reading-bar **2** values are automatically displayed in text form, so you can easily see the activity without the need to reference this table.





Definitions for the Rig Super States are shown below.

<b>Super State</b>		<b>Description</b>
0	Unknown	We can't determine the rig state.
1	Drilling	Drilling activity occurring at, or near, hole depth.
4	Transition	Pipe is being withdrawn and the bit is moving toward the surface, or pipe is being added and the bit is moving toward hole depth.
5	Out of Hole	Bit is within one stand of the hole depth and may be in-between drilling and tripping. No drilling or tripping is occurring.
6	Pre-Spud	Bit is at, or near, the surface.
7	Tripping	Hole depth is 0. Drilling hasn't started.